

## ABSTRACT OF THE DISCLOSURE

A radio communication system between a mobile terminal station of a vehicle and a plurality of roadside fixed base stations is so constructed that communication areas of the base stations do not overlap with each other and satisfy the following two conditions. Condition (i): each communication area is defined so that there cannot be a plurality of terminal stations simultaneously. Condition (ii): it is needless to perform multiple access such as time division in the communication area and capable of affording the whole band and all the communication time allocated to one communication area to one terminal station and broad band communication becomes possible. Thus, each mobile terminal station can utilize all the frequency band allocated for service.